UNITED STATES **OPEN FILE REPORT 79-086** EPSIE QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA-POWDER RIVER CO. PLATE 8 OF 25 GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 4875 II SW (LESLIE CREEK) 12 45°30′ OPEN-FILE REPORT 12 This report has not been edited for conformity with U.S. Geological Survey editorial standards or 10 11 stratigraphic nomenclature. 18 17 16 **EXPLANATION** 15 13 _____200 _____ 13 OVERBURDEN ISOPACH—Showing thickness of over-burden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m)BOUNDARY OF COAL 5 FEET OR MORE THICK— Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 23 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick. 20 21 22 24 19 0 131 24 DRILL HOLE-Showing thickness of overburden, in feet, from the surface to the top of the coal bed. ------MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per short ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limits. To convert feet to meters, multiply feet by 0.3048. 30 29 28 27 25 26 To convert yds³/ton to m³/metric ton, multiply yds³/ton by 25 31 33 11 10 17 13 22 23 20 30 29 28 27 26 105°45′ 105°37′30″ Base map from U.S. Geological Survey, 1973 Compiled in 1977 SCALE 1:24 000 2000 3000 1 KILOMETRE 14%° 258 MILS UIM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHELI QUADRANGLE LOCATION

> COAL RESOURCE OCCURRENCE MAP OF THE EPSIE QUADRANGLE, POWDER RIVER COUNTY, MONTANA BY

PLATE 8 OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE LOWER SPLIT OF THE COOK COAL BED